ABSTRACT OF THE DISCLOSURE

A database system includes user-defined data types (UDTs) and user-defined methods (UDMs) that are defined by code according to an interpreted programming language (e.g., JAVA, C#, etc.). A virtual machine or other interpreter is provided to execute the interpreted programming language code defining the UDTs and UDMs. An interface is provided between a database and the virtual machine to enable communication between the database and the virtual machine.